CORRECTED VERSION

(19) World Intellectual Property Organization

International Bureau

18 August 2005 (18.08.2005)





(43) International Publication Date

(10) International Publication Number WO 2005/076302 A1

(51) International Patent Classification':

H01H 3/22,

(21) International Application Number:

PCT/FI2005/000070

- (22) International Filing Date: 2 February 2005 (02.02.2005)
- (25) Filing Language:

33/28, 19/20

(26) Publication Language:

English

(30) Priority Data:

20045026

3 February 2004 (03.02.2004)

- (71) Applicant (for all designated States except US): ABB OY [FI/FI]; Strömbergintie 1, FI-00380 Helsinki (FI).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): MATTLAR, Harri [FI/FI]; Jungsundsvägen 809, FI-65760 Iskmo (FI). SU-UTARINEN, Aki [FI/FI]; Pihkatie 12 A 5, FI-65320 Vaasa (FI). KOLMONEN, Rainer [FI/FI]; Urputie 3 as 1, FI-66400 Laihia (FI).
- (74) Agent: KOLSTER OY AB; Iso Roobertinkatu 23, PO Box 148, FI-00121 Helsinki (FI).
- Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,

KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

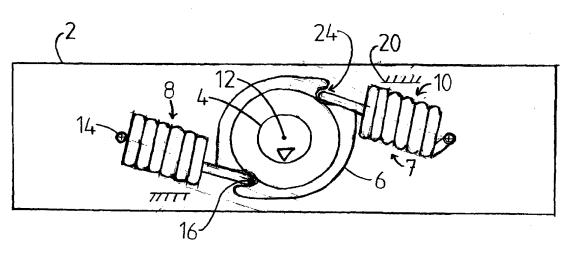
(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Declarations under Rule 4.17:

as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii)) for the following designations AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW, ARIPO patent (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR,

[Continued on next page]

(54) Title: SWITCHING DEVICE



(57) Abstract: A switching device comprising a frame (2), in which an actuator (6) adapted to rotate a main shaft of the switching device and rotatable around an axis (12) of rotation, and spring means are installed, the actuator (6) having a 0 position, an 1 position and a first dead point between the 0 position and the 1 position, the 1 position being located by a given angle (α_6) in a first direction relative to the 0 position. The actuator (6) also has a testing position, the testing position being located by a predetermined angle (β_6) in a second direction relative to the 0 position, said second direction being opposite relative to said first direction.

HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG)

- as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii)) for all designations
- of inventorship (Rule 4.17(iv)) for US only

Published:

with international search report

(48) Date of publication of this corrected version:

19 January 2006

(15) Information about Correction:

see PCT Gazette No. 03/2006 of 19 January 2006, Section II

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.